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(SUBSTITUTE)

INFORMATION	Applicant : Junghoon LEE et al.	
DISCLOSURE	Serial No. : 10/723 307	Filed : Nov 26, 2003
CITATION	Art Unit : 2855	Atty. Ref. : NU22102

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Country	Class	Sub Class	Translation Y/N

NON PATENT LITERATURE DOCUMENTS

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AA	Wu et al., "Origin of Nanomechanical Cantilever Motion Generated from Biomolecular Interactions," Proceedings of the National Academy of Science, 98(4), 2001, pp. 1560-1564.
AB	Lin et al., "Surface Stress Curves for Gold," J. Electrochem. Soc., 123, August 1976, pp. 1145-1151.
AC	Lee, "Microactuation By Continuous Electrowetting and Electrowetting: Theory, Fabrication, and Demonstration," Dissertation, University of California, Los Angeles, 2000, pp. 1-173.
AD	Lundbaek et al., "Lipid Bilayer Electrostatic Energy, Curvature Stress, and Assembly of Gramicidin Channels," Biotechnology, 36, 1997, pp. 5695-5701.
	Duplicate of Papers filed 01/31/05

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EXAMINER <i>Conrad S. [Signature]</i>	DATE CONSIDERED <i>3/2/05</i>
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CSM	AA	Wu et al., "Origin of Nanomechanical Cantilever Motion Generated from Biomolecular Interactions," Proceedings of the National Academy of Science, 98(4), 2001, pp. 1560-1564.
	AB	Lin et al., "Surface Stress Curves for Gold," J. Electrochem. Soc., 123, August 1976, pp. 1145-1151.
	AC	Lee, "Microactuation by Continuous Electrowetting and Electrowetting: Theory, Fabrication, and Demonstration," Dissertation, University of California, Los Angeles, 2000, pp. 1-173.
	AD	Lundbaek et al., "Lipid Stress, and Assembly of Gramicidin Channels," Biotechnology, 36, 1997, pp. 5695-5701.

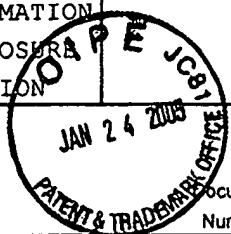
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NON PATENT LITERATURE DOCUMENTS

CBM	AA	FRITZ et al., "Translating Biomolecular Recognition into Nanomechanics," Science, Vol. 288, 2000, pp. 316-318.				
	AB	WU et al., "Bioassay of prostate-specific antigen (PSA) using microcantilevers," Nature Biotechnology, Vol. 19, 2001, pp. 856-860.				
	AC	Subramanian et al., "Glucose biosensing using an enzyme-coated microcantilever," Applied Physics Letters, 81(2), 2002, pp. 385-387.				
	AD	Hagan et al., "Nanomechanical Forces Generated by Surface Grafted DNA," Journal of Physical Chemistry, B 106, 2002, pp. 10163-10173.				
	AE	Thaysen et al., "Su-8 Based Piezoresistive Mechanical Sensor," IEEE Workshop on MEMS, 2002, pp. 320-323.				
	AF	Lin et al., "Surface Stress Curves for Gold," J. Electrochem. Soc., 123, 1976, abstract only.				
	AG	Lee et al., "SPR Imaging Measurements of 1-D and 2-D DNA Microarrays Created from Microfluidic Channels on Gold Thin Films," Anal. Chem., Vol. 73, No. 22, 2001, pp. 5525-5531.				
	AH	Savran et al., "Fabrication and Characterization of a Micromechanical Sensor for Differential Detection of Nanoscale Motions," J. of Microelectromechanical Systems, Vol. 11, No. 6, 2002, pp. 703-708.				
	AI	Berger et al., "Surface Stress in the Self-Assembly of Alkanethiols on Gold," Science, Vol. 276, 1997, pp. 2021-2024.				

EXAMINER	<i>Corey S. Miller</i>	DATE CONSIDERED	<i>3/2/05</i>
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<i>CBM</i>	AJ	Bowden et al., "Spontaneous formation of ordered structures in thin films of metals supported on an elastomeric polymer," Nature, 393, 1998, pp. 146-149.
<i>↓</i>	AK	Hansen et al., "Cantilever-Based Optical Deflection Assay for Discrimination of DNA Single-Nucleotide Mismatches," Anal. Chem., 73(7), 2001, pp. 1567-1571.
<i>↓</i>	AL	Thaysen et al., "Cantilever-based bio-chemical sensor integrated in a microliquid handling system," IEEE Workshop on MEMS, 2001, pp. 401-404.

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CBM	AA 6 050 138	Apr-00	Lynch et al.	73	150A	
↓	AB 6 201 980	Mar-01	Darrow et al.	600	347	
↓	AC 20010016683	Aug-01	Darrow et al.	600	347	

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OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc.)

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